



E-LR 2410

Fiber Type: E-Glass
 Architecture: 0 Warp Unidirectional
 Dry Thickness: 0.034 in. / 0.86 mm
 Total Weight: 23.94 oz/sq.yd / 812 g/sq.m



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 200 lb / 91 kg
 Roll Length: 94 yd / 86 m

Fiber Architecture Data

0 ° : 23.04 oz/sq.yd / 781 g/sq.m
 45 ° : n/a
 90 ° : n/a
 -45 ° : n/a
 Polyester Veil : 0.90 oz/sq.yd / 31 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight

| (lb/sq.ft) | E-LR 2410 Resin Infused | E-LR 2410 Open Mold |
|------------|----------------------------|------------------------|
| Fiber | 0.17 | 0.17 |
| Resin | 0.07 | 0.14 |
| Total | 0.24 | 0.31 |

Physical Properties

| | E-LR 2410 Resin Infused | E-LR 2410 Open Mold |
|--------------------------|----------------------------|------------------------|
| Density (g/cc) | 1.86 | 1.66 |
| Fiber Content (% by Wt.) | 69% | 54% |
| Thickness (in) | 0.025 | 0.036 |

| Laminate Modulii | | |
|------------------|----------------------------|------------------------|
| (MSI) | E-LR 2410 Resin Infused | E-LR 2410 Open Mold |
| Ex | 5.34 | 3.89 |
| Ey | 1.62 | 1.17 |
| Gxy | 0.77 | 0.53 |
| Ex,flex. | 5.07 | 3.69 |
| Ey,flex. | 1.54 | 1.11 |

| Ultimate Stress | | |
|-----------------|----------------------------|------------------------|
| (KSI) | E-LR 2410 Resin Infused | E-LR 2410 Open Mold |
| Long. Ten. | 101 | 74 |
| Long. Comp. | 101 | 74 |
| Trans. Ten. | 32 | 23 |
| Trans. Comp. | 32 | 23 |
| In-Plane Shear | 15 | 11 |
| Long. Flex. | 101 | 74 |
| Trans. Flex. | 31 | 22 |

| In-Plane Stiffness, "EA" | | |
|--------------------------|----------------------------|------------------------|
| 10 ³ lb/in | E-LR 2410 Resin Infused | E-LR 2410 Open Mold |
| (EA)x | 133 | 140 |
| (EA)y | 40 | 42 |
| (GA)xy | 19 | 19 |

| Ultimate In-Plane Load | | |
|------------------------|----------------------------|------------------------|
| lb/in | E-LR 2410 Resin Infused | E-LR 2410 Open Mold |
| Long. Ten. | 2,511 | 2,641 |
| Long. Comp. | 2,511 | 2,641 |
| Trans. Ten. | 805 | 840 |
| Trans. Comp. | 805 | 840 |
| In-Plane Shear | 381 | 383 |

Notes:

- 1: Resin infused laminate made with a poly / vinyl ester resin blend.
- 2: Open mold laminate made with poly / vinyl ester resin blend.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



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Disclaimer:

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VP makes no warranty whatsoever as to the accuracy of any such predicted physical performance, and customer acknowledges that customer is solely responsible for determining the performance and fitness for a particular use of any product produced by customer utilizing a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.